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S1	8	("4947291", "4962687", "6016038", "6577073", "6609804", "6674233", "6683423", "6686691").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/03/05 11:44

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S11	2941	362/800,230,231.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/05 13:27
S12	2048	S11 and "light emitting diode"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/05 13:21
S13	656	S12 and wavelength	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/05 13:24
S14	362	S13 and multiple	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/05 13:24
S15	3587	stage light	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/05 13:24
S16	817	S15 and (LED or light emitting diode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/05 13:25
S17	459	S16 and wavelength	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/03/05 13:25

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S18	170	362/230.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/05 15:42
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S20	3	("6166496", "6459919").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/05 14:10
S21	170	362/230.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/05 15:43
S22	979	362/231.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/05 15:43
S23	398	(S22 or S21) and wavelength	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/03/05 15:43
S24	3	("5803579" "5851063" "6234645").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/05 15:50
S25	232	theatrical adj (lights or light or lighting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/03/06 08:46
S26	11	theatrical adj (lights or light or lighting) with (LED or light adj emitting adj diode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/03/06 08:47

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S28	1	(US-4636923-\$.did.	USPAT	OR	ON	2007/03/06 09:17
S29	27	((LED or (light adj emitting adj diode)) with array) with ((theatrical adj (lights or lighting)) or (floodlight or (flood adj light)) or (stage adj light))	USPAT	OR	ON	2007/03/06 13:02
S30	32	base with mix with LED	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/03/07 12:52
S31	1	LED with array with (violet and blue and cyan and green and lime and amber and orange and red)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/03/07 12:54
S32	2044	LED with array with (violet or blue or cyan or green or lime or amber or orange or red)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/03/07 12:54
S33	1671	LED with array with (violet or indigo or blue or cyan or green or lime or yellow-amber or orange or orange-red or deep adj red)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/03/07 12:55
S34	1	LED with array with (violet and indigo and blue and cyan and green and lime and yellow-amber and orange and orange-red and deep adj red)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	ON	2007/03/07 12:56

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PLUS Search Results for S/N 10804463 Searched Feb 22, 2007. The Patent Linguistic Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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20030030808	56
20030048449	56
20030086090	56
20030111533	56
20030132982	56
20030189412	56
20030193802	56
20030216151	56
20040037079	56
20040037080	56
20040084681	56
20040137265	56
20040184270	56
20040207816	56
20040245946	56
20050122065	56
20050141237	56
20050160092	56
20050162850	56

20050219476	56
20050265024	56
20050269580	56
20050279915	56
20060022614	56
20060023463	56
20060087841	56
20060152718	56
20060158097	56
20060158881	56
20060221341	56
20060232964	56
20060245188	56
20060262564	56
20060273331	56
20070001994	56
20070013057	56
20070030340	56
6200002	55
4797691	55
6139166	55
6236382	55
5835814	55
6411047	55
6566689	55

Most frequently occurring classifications of patents returned from a search of 10804463 on Feb 22, 2007

Original Classifications

10	362/231
4	356/406
4	315/312
3	313/498
3	345/102
3	358/509
3	257/79
3	356/320
3	362/250
3	362/252
3	315/294
2	362/240
2	349/61
2	345/589
2	345/83
2	257/89
2	356/419
2	356/420
2	438/27
2	353/31
2	353/98
2	455/556.1

Cross-Reference Classifications

10	257/E33.061
8	362/800
5	257/E33.028
5	362/227
4	362/231
4	345/82
4	250/226
4	356/320

3 362/240
3 257/E25.028
3 345/88
3 313/504
3 257/E25.02
3 356/419
3 347/19
3 257/E23.044
3 257/E33.059
3 257/E33.066
3 257/E33.074
3 257/E33.075
3 315/297
2 257/607
2 313/499
2 362/319
2 345/46
2 345/83
2 358/505
2 257/88
2 257/98
2 257/102
2 257/103
2 257/E33.005
2 362/555
2 356/425
2 356/319
2 356/402
2 362/372
2 257/E33.012
2 438/28
2 315/169.3
2 315/291
2 348/E5.029

2 348/E9.01

2 362/251

2 257/80

Combined Classifications

14 362/231

10 257/E33.061

8 362/800

7 356/320

6 362/227

5 362/240

5 345/82

5 257/E33.028

5 356/419

5 315/312

4 313/498

4 345/83

4 250/226

4 257/79

4 347/19

4 356/406

4 362/250

3 257/E25.028

3 345/102

3 345/88

3 349/61

3 358/509

3 257/89

3 257/88

3 313/504

3 257/102

3 257/E25.02

3 362/555

3 356/420

3 257/E23.044

3 257/E33.059
3 257/E33.066
3 257/E33.074
3 257/E33.075
3 362/252
3 353/31
3 353/98
3 315/291
3 315/294
3 315/297
3 257/80
2 257/461
2 257/607
2 313/499
2 362/319
2 345/46
2 345/589
2 358/505
2 257/90
2 257/98
2 313/506
2 345/690
2 257/103
2 313/503
2 257/E33.005
2 356/425
2 356/319
2 356/402
2 362/372
2 257/E33.012
2 358/518
2 438/27
2 438/28
2 315/169.3

2 315/307
2 455/556.1
2 348/E5.029
2 348/E9.01
2 362/251
2 362/296

Titles of most frequently occurring classifications of patents returned from a search of 10804463 on Feb 22, 2007

- 14 **362/231** (10 OR, 4 XR)
Class 362 ILLUMINATION
362/227 .PLURAL LIGHT SOURCES
362/230 ..Particular wavelength
362/231 ...Different wavelengths
- 10 **257/E33.061** (0 OR, 10 XR)
Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)
257/E33.001 .LIGHT EMITTING SEMICONDUCTOR DEVICES HAVING A POTENTIAL OR A SURFACE BARRIER, PROCESSES OR APPARATUS PECULIAR TO THE MANUFACTURE OR TREATMENT OF SUCH DEVICES, OR OF PARTS THEREOF
257/E33.055 ..Detail of nonsemiconductor component other than light-emitting semiconductor device (EPO)
257/E33.06 ...Coatings (EPO)
257/E33.061Comprising luminescent material (e.g., fluorescent) (EPO)
- 8 **362/800** (0 OR, 8 XR)
Class 362 ILLUMINATION
362/800 .LIGHT EMITTING DIODE
- 7 **356/320** (3 OR, 4 XR)
Class 356 OPTICS: MEASURING AND TESTING
356/300 .BY DISPERSED LIGHT SPECTROSCOPY
356/319 ..Utilizing a spectrophotometer (i.e., plural beam)
356/320 ...Having plural wavelengths
- 6 **362/227** (1 OR, 5 XR)
Class 362 ILLUMINATION
362/227 .PLURAL LIGHT SOURCES
- 5 **362/240** (2 OR, 3 XR)
Class 362 ILLUMINATION
362/227 .PLURAL LIGHT SOURCES
362/235 ..With modifier
362/236 ...Distinct light units
362/237Substantially identical modifiers
362/240Units have common housing
- 5 **345/82** (1 OR, 4 XR)
Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY SYSTEMS
345/30 .PLURAL PHYSICAL DISPLAY ELEMENT CONTROL SYSTEM (E.G., NON-CRT)
345/55 ..Display elements arranged in matrix (e.g., rows and columns)
345/82 ...Solid body light emitter (e.g., LED)
- 5 **257/E33.028** (0 OR, 5 XR)
Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)

- 257/E33.001 .LIGHT EMITTING SEMICONDUCTOR DEVICES HAVING A
POTENTIAL OR A SURFACE BARRIER, PROCESSES OR
APPARATUS PECULIAR TO THE MANUFACTURE OR TREATMENT
OF SUCH DEVICES, OR OF PARTS THEREOF
- 257/E33.002 ..Device characterized by semiconductor body (EPO)
- 257/E33.013 ...Material of active region (EPO)
- 257/E33.023Comprising only Group III-V compound (EPO)
- 257/E33.026Ternary or quaternary compound (e.g., AlGaAs) (EPO)
- 257/E33.028Including nitride (e.g., AlGaN) (EPO)
- 5 **356/419** (2 OR, 3 XR)
Class 356 OPTICS: MEASURING AND TESTING
 - 356/402 .BY SHADE OR COLOR
 - 356/416 ..With color transmitting filter
 - 356/419 ...Including multicolor filters
- 5 **315/312** (4 OR, 1 XR)
Class 315 ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
 - 315/312 .PLURAL LOAD DEVICE SYSTEMS
- 4 **313/498** (3 OR, 1 XR)
Class 313 ELECTRIC LAMP AND DISCHARGE DEVICES
 - 313/483 .WITH LUMINESCENT SOLID OR LIQUID MATERIAL
 - 313/498 ..Solid-state type
- 4 **345/83** (2 OR, 2 XR)
Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL
DISPLAY SYSTEMS
 - 345/30 .PLURAL PHYSICAL DISPLAY ELEMENT CONTROL SYSTEM (E.G.,
NON-CRT)
 - 345/55 ..Display elements arranged in matrix (e.g., rows and columns)
 - 345/82 ...Solid body light emitter (e.g., LED)
 - 345/83Color
- 4 **250/226** (0 OR, 4 XR)
Class 250 RADIANT ENERGY
 - 250/200 .PHOTOCELLS; CIRCUITS AND APPARATUS
 - 250/216 ..Optical or pre-photocell system
 - 250/226 ...Color (e.g., filter or spectroscope)
- 4 **257/79** (3 OR, 1 XR)
Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS,
SOLID-STATE DIODES)
 - 257/79 .INCOHERENT LIGHT EMITTER STRUCTURE
- 4 **347/19** (1 OR, 3 XR)
Class 347 INCREMENTAL PRINTING OF SYMBOLIC INFORMATION
 - 347/1 .INK JET
 - 347/5 ..Controller
 - 347/19 ...Measuring and testing (e.g., diagnostics)
- 4 **356/406** (4 OR, 0 XR)
Class 356 OPTICS: MEASURING AND TESTING
 - 356/402 .BY SHADE OR COLOR

- 356/406 ..Trichromatic examination
- 4 **362/250** (3 OR, 1 XR)
 Class 362 ILLUMINATION
 362/227 .PLURAL LIGHT SOURCES
 362/249 ..With support
 362/250 ...Adjustable
- 3 **257/E25.028** (0 OR, 3 XR)
 Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS,
 SOLID-STATE DIODES)
 257/E25.001 .ASSEMBLIES CONSISTING OF PLURALITY OF INDIVIDUAL
 SEMICONDUCTOR OR OTHER SOLID-STATE DEVICES (EPO)
 257/E25.002 ..All devices being of same type, e.g., assemblies of rectifier diodes
 (EPO)
 257/E25.022 ...Devices having separate containers (EPO)
 257/E25.028Incoherent light-emitting semiconductor devices having potential or
 surface barrier (EPO)
- 3 **345/102** (3 OR, 0 XR)
 Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL
 DISPLAY SYSTEMS
 345/30 .PLURAL PHYSICAL DISPLAY ELEMENT CONTROL SYSTEM (E.G.,
 NON-CRT)
 345/55 ..Display elements arranged in matrix (e.g., rows and columns)
 345/84 ...Light-controlling display elements
 345/87Liquid crystal display elements (LCD)
 345/102Backlight control
- 3 **345/88** (0 OR, 3 XR)
 Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL
 DISPLAY SYSTEMS
 345/30 .PLURAL PHYSICAL DISPLAY ELEMENT CONTROL SYSTEM (E.G.,
 NON-CRT)
 345/55 ..Display elements arranged in matrix (e.g., rows and columns)
 345/84 ...Light-controlling display elements
 345/87Liquid crystal display elements (LCD)
 345/88Color
- 3 **349/61** (2 OR, 1 XR)
 Class 349 LIQUID CRYSTAL CELLS, ELEMENTS AND SYSTEMS
 349/56 .PARTICULAR STRUCTURE
 349/61 ..Particular illumination
- 3 **358/509** (3 OR, 0 XR)
 Class 358 FACSIMILE AND STATIC PRESENTATION PROCESSING
 358/500 .NATURAL COLOR FACSIMILE
 358/505 ..Scanning
 358/509 ...Illumination
- 3 **257/89** (2 OR, 1 XR)
 Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS,
 SOLID-STATE DIODES)
 257/79 .INCOHERENT LIGHT EMITTER STRUCTURE

- 257/88 ..Plural light emitting devices (e.g., matrix, 7-segment array)
- 257/89 ...Multi-color emission
- 3 **257/88** (1 OR, 2 XR)
 - Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)
 - 257/79 .INCOHERENT LIGHT EMITTER STRUCTURE
 - 257/88 ..Plural light emitting devices (e.g., matrix, 7-segment array)
- 3 **313/504** (0 OR, 3 XR)
 - Class 313 ELECTRIC LAMP AND DISCHARGE DEVICES
 - 313/483 .WITH LUMINESCENT SOLID OR LIQUID MATERIAL
 - 313/498 ..Solid-state type
 - 313/503 ...With particular phosphor or electrode material
 - 313/504Organic phosphor
- 3 **257/102** (1 OR, 2 XR)
 - Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)
 - 257/79 .INCOHERENT LIGHT EMITTER STRUCTURE
 - 257/102 ..With particular dopant material (e.g., zinc as dopant in GaAs)
- 3 **257/E25.02** (0 OR, 3 XR)
 - Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)
 - 257/E25.001 .ASSEMBLIES CONSISTING OF PLURALITY OF INDIVIDUAL SEMICONDUCTOR OR OTHER SOLID-STATE DEVICES (EPO)
 - 257/E25.002 ..All devices being of same type, e.g., assemblies of rectifier diodes (EPO)
 - 257/E25.003 ...Devices not having separate containers (EPO)
 - 257/E25.019Incoherent light-emitting semiconductor devices having potential or surface barrier (EPO)
 - 257/E25.02Devices being arranged next to each other (EPO)
- 3 **362/555** (1 OR, 2 XR)
 - Class 362 ILLUMINATION
 - 362/551 .LIGHT FIBER, ROD, OR PIPE
 - 362/555 ..Light Emitting Diode (LED)
- 3 **356/420** (2 OR, 1 XR)
 - Class 356 OPTICS: MEASURING AND TESTING
 - 356/402 .BY SHADE OR COLOR
 - 356/416 ..With color transmitting filter
 - 356/420 ...Included with colored light sources
- 3 **257/E23.044** (0 OR, 3 XR)
 - Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)
 - 257/E23.001 .PACKAGING, INTERCONNECTS, AND MARKINGS FOR SEMICONDUCTOR OR OTHER SOLID-STATE DEVICES (EPO)
 - 257/E23.01 ..Arrangements for conducting electric current to or from solid-state body in operation, e.g., leads, terminal arrangements (EPO)
 - 257/E23.023 ...Consisting of soldered or bonded constructions (EPO)
 - 257/E23.031Lead frames or other flat leads (EPO)

- 257/E23.043Geometry of lead frame (EPO)
- 257/E23.044For devices adapted for rectifying, amplifying, oscillating, or switching, capacitors, or resistors with at least one potential-jump barrier or surface barrier (EPO)
- 3 **257/E33.059** (0 OR, 3 XR)
 - Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)
 - 257/E33.001 .LIGHT EMITTING SEMICONDUCTOR DEVICES HAVING A POTENTIAL OR A SURFACE BARRIER, PROCESSES OR APPARATUS PECULIAR TO THE MANUFACTURE OR TREATMENT OF SUCH DEVICES, OR OF PARTS THEREOF
 - 257/E33.055 ..Detail of nonsemiconductor component other than light-emitting semiconductor device (EPO)
 - 257/E33.056 ...Packaging (EPO)
 - 257/E33.059Encapsulation (EPO)
- 3 **257/E33.066** (0 OR, 3 XR)
 - Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)
 - 257/E33.001 .LIGHT EMITTING SEMICONDUCTOR DEVICES HAVING A POTENTIAL OR A SURFACE BARRIER, PROCESSES OR APPARATUS PECULIAR TO THE MANUFACTURE OR TREATMENT OF SUCH DEVICES, OR OF PARTS THEREOF
 - 257/E33.055 ..Detail of nonsemiconductor component other than light-emitting semiconductor device (EPO)
 - 257/E33.066 ...Electrical contact or lead (e.g., lead frame) (EPO)
- 3 **257/E33.074** (0 OR, 3 XR)
 - Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)
 - 257/E33.001 .LIGHT EMITTING SEMICONDUCTOR DEVICES HAVING A POTENTIAL OR A SURFACE BARRIER, PROCESSES OR APPARATUS PECULIAR TO THE MANUFACTURE OR TREATMENT OF SUCH DEVICES, OR OF PARTS THEREOF
 - 257/E33.055 ..Detail of nonsemiconductor component other than light-emitting semiconductor device (EPO)
 - 257/E33.067 ...Means for light extraction or guiding (EPO)
 - 257/E33.074Scattering means (e.g., surface roughening) (EPO)
- 3 **257/E33.075** (0 OR, 3 XR)
 - Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)
 - 257/E33.001 .LIGHT EMITTING SEMICONDUCTOR DEVICES HAVING A POTENTIAL OR A SURFACE BARRIER, PROCESSES OR APPARATUS PECULIAR TO THE MANUFACTURE OR TREATMENT OF SUCH DEVICES, OR OF PARTS THEREOF
 - 257/E33.055 ..Detail of nonsemiconductor component other than light-emitting semiconductor device (EPO)
 - 257/E33.075 ...With means for cooling or heating (EPO)
- 3 **362/252** (3 OR, 0 XR)

- Class 362 ILLUMINATION
 362/227 .PLURAL LIGHT SOURCES
 362/249 ..With support
 362/252 ...Particular arrangement (e.g., ornamental star)
- 3 **353/31** (2 OR, 1 XR)
 Class 353 OPTICS: IMAGE PROJECTORS
 353/30 .COMPOSITE PROJECTED IMAGE
 353/31 ..Multicolor picture
- 3 **353/98** (2 OR, 1 XR)
 Class 353 OPTICS: IMAGE PROJECTORS
 353/98 .REFLECTOR
- 3 **315/291** (1 OR, 2 XR)
 Class 315 ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
 315/291 .CURRENT AND/OR VOLTAGE REGULATION
- 3 **315/294** (3 OR, 0 XR)
 Class 315 ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
 315/291 .CURRENT AND/OR VOLTAGE REGULATION
 315/294 ..Plural load device regulation
- 3 **315/297** (0 OR, 3 XR)
 Class 315 ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
 315/291 .CURRENT AND/OR VOLTAGE REGULATION
 315/294 ..Plural load device regulation
 315/297 ...Automatic regulation
- 3 **257/80** (1 OR, 2 XR)
 Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS,
 SOLID-STATE DIODES)
 257/79 .INCOHERENT LIGHT EMITTER STRUCTURE
 257/80 ..In combination with or also constituting light responsive device
- 2 **257/461** (1 OR, 1 XR)
 Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS,
 SOLID-STATE DIODES)
 257/414 .RESPONSIVE TO NON-ELECTRICAL SIGNAL (E.G., CHEMICAL,
 STRESS, LIGHT, OR MAGNETIC FIELD SENSORS)
 257/428 ..Electromagnetic or particle radiation
 257/431 ...Light
 257/461Light responsive pn junction
- 2 **257/607** (0 OR, 2 XR)
 Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS,
 SOLID-STATE DIODES)
 257/607 .WITH SPECIFIED DOPANT (e.g., plural dopants of same conductivity in
 same region)
- 2 **313/499** (0 OR, 2 XR)
 Class 313 ELECTRIC LAMP AND DISCHARGE DEVICES
 313/483 .WITH LUMINESCENT SOLID OR LIQUID MATERIAL
 313/498 ..Solid-state type
 313/499 ...Semiconductor depletion layer type

- 2 **362/319** (0 OR, 2 XR)
 - Class 362 ILLUMINATION
 - 362/317 .LIGHT MODIFIER
 - 362/319 ..Adjustable or positionable
- 2 **345/46** (0 OR, 2 XR)
 - Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL
DISPLAY SYSTEMS
 - 345/30 .PLURAL PHYSICAL DISPLAY ELEMENT CONTROL SYSTEM (E.G.,
NON-CRT)
 - 345/33 ..Segmented display elements
 - 345/44 ...Solid light-emitting display elements
 - 345/46 Light-emitting diodes
- 2 **345/589** (2 OR, 0 XR)
 - Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL
DISPLAY SYSTEMS
 - 345/418 .COMPUTER GRAPHICS PROCESSING
 - 345/581 ..Attributes (surface detail or characteristic, display attributes)
 - 345/589 ...Color or intensity
- 2 **358/505** (0 OR, 2 XR)
 - Class 358 FACSIMILE AND STATIC PRESENTATION PROCESSING
 - 358/500 .NATURAL COLOR FACSIMILE
 - 358/505 ..Scanning
- 2 **257/90** (1 OR, 1 XR)
 - Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS,
SOLID-STATE DIODES)
 - 257/79 .INCOHERENT LIGHT EMITTER STRUCTURE
 - 257/88 ..Plural light emitting devices (e.g., matrix, 7-segment array)
 - 257/89 ...Multi-color emission
 - 257/90 With heterojunction
- 2 **257/98** (0 OR, 2 XR)
 - Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS,
SOLID-STATE DIODES)
 - 257/79 .INCOHERENT LIGHT EMITTER STRUCTURE
 - 257/98 ..With reflector, opaque mask, or optical element (e.g., lens, optical fiber,
index of refraction matching layer, luminescent material layer, filter)
integral with device or device enclosure or package
- 2 **313/506** (1 OR, 1 XR)
 - Class 313 ELECTRIC LAMP AND DISCHARGE DEVICES
 - 313/483 .WITH LUMINESCENT SOLID OR LIQUID MATERIAL
 - 313/498 ..Solid-state type
 - 313/506 ...Plural layers
- 2 **345/690** (1 OR, 1 XR)
 - Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL
DISPLAY SYSTEMS
 - 345/204 .DISPLAY DRIVING CONTROL CIRCUITRY
 - 345/690 ..Intensity or color driving control (e.g., gray scale)

- 2 **257/103** (0 OR, 2 XR)
Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)
257/79 .INCOHERENT LIGHT EMITTER STRUCTURE
257/103 ...With particular semiconductor material
- 2 **313/503** (1 OR, 1 XR)
Class 313 ELECTRIC LAMP AND DISCHARGE DEVICES
313/483 .WITH LUMINESCENT SOLID OR LIQUID MATERIAL
313/498 ...Solid-state type
313/503 ...With particular phosphor or electrode material
- 2 **257/E33.005** (0 OR, 2 XR)
Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)
257/E33.001 .LIGHT EMITTING SEMICONDUCTOR DEVICES HAVING A POTENTIAL OR A SURFACE BARRIER, PROCESSES OR APPARATUS PECULIAR TO THE MANUFACTURE OR TREATMENT OF SUCH DEVICES, OR OF PARTS THEREOF
257/E33.002 ...Device characterized by semiconductor body (EPO)
257/E33.005 ...Shape or structure (e.g., shape of epitaxial layer) (EPO)
- 2 **356/425** (0 OR, 2 XR)
Class 356 OPTICS: MEASURING AND TESTING
356/402 .BY SHADE OR COLOR
356/425 ...With color determination by light intensity comparison
- 2 **356/319** (0 OR, 2 XR)
Class 356 OPTICS: MEASURING AND TESTING
356/300 .BY DISPERSED LIGHT SPECTROSCOPY
356/319 ...Utilizing a spectrophotometer (i.e., plural beam)
- 2 **356/402** (0 OR, 2 XR)
Class 356 OPTICS: MEASURING AND TESTING
356/402 .BY SHADE OR COLOR
- 2 **362/372** (0 OR, 2 XR)
Class 362 ILLUMINATION
362/362 .HOUSING
362/372 ...With adjustable light source
- 2 **257/E33.012** (0 OR, 2 XR)
Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)
257/E33.001 .LIGHT EMITTING SEMICONDUCTOR DEVICES HAVING A POTENTIAL OR A SURFACE BARRIER, PROCESSES OR APPARATUS PECULIAR TO THE MANUFACTURE OR TREATMENT OF SUCH DEVICES, OR OF PARTS THEREOF
257/E33.002 ...Device characterized by semiconductor body (EPO)
257/E33.005 ...Shape or structure (e.g., shape of epitaxial layer) (EPO)
257/E33.012 ...Multiple active regions between two electrodes (e.g., stacks) (EPO)
- 2 **358/518** (1 OR, 1 XR)
Class 358 FACSIMILE AND STATIC PRESENTATION PROCESSING

- 358/500 .NATURAL COLOR FACSIMILE
- 358/518 ..Color correction
- 2 **438/27** (2 OR, 0 XR)
 - Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
 - 438/22 .MAKING DEVICE OR CIRCUIT EMISSIVE OF NONELECTRICAL SIGNAL
 - 438/26 ..Packaging (e.g., with mounting, encapsulating, etc.) or treatment of packaged semiconductor
 - 438/27 ...Having additional optical element (e.g., optical fiber, etc.)
- 2 **438/28** (0 OR, 2 XR)
 - Class 438 SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS
 - 438/22 .MAKING DEVICE OR CIRCUIT EMISSIVE OF NONELECTRICAL SIGNAL
 - 438/26 ..Packaging (e.g., with mounting, encapsulating, etc.) or treatment of packaged semiconductor
 - 438/28 ...Plural emissive devices
- 2 **315/169.3** (0 OR, 2 XR)
 - Class 315 ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
 - 315/160 .PLURAL POWER SUPPLIES
 - 315/167 ..Plural cathode and/or anode load device
 - 315/169.1 ...Diverse-type energizing or bias supplies to different electrodes
 - 315/169.3Electroluminescent device
- 2 **315/307** (1 OR, 1 XR)
 - Class 315 ELECTRIC LAMP AND DISCHARGE DEVICES: SYSTEMS
 - 315/291 .CURRENT AND/OR VOLTAGE REGULATION
 - 315/307 ..Automatic regulation
- 2 **455/556.1** (2 OR, 0 XR)
 - Class 455 TELECOMMUNICATIONS
 - 455/73 .TRANSMITTER AND RECEIVER AT SAME STATION (E.G., TRANSCEIVER)
 - 455/550.1 ..Radiotelephone equipment detail
 - 455/556.1 ...Integrated with other device
- 2 **348/E5.029** (0 OR, 2 XR)
 - Class 348 TELEVISION
 - 348/E5.001 .DETAILS OF TELEVISION SYSTEMS (EPO)
 - 348/E5.022 ..Studio circuitry; Studio devices; Studio equipment (EPO)
 - 348/E5.024 ...Television cameras (EPO)
 - 348/E5.029Provided with illuminating means (EPO)
- 2 **348/E9.01** (0 OR, 2 XR)
 - Class 348 TELEVISION
 - 348/E9.001 .DETAILS OF COLOR TELEVISION SYSTEMS (EPO)
 - 348/E9.002 ..Picture signal generators (EPO)
 - 348/E9.01 ...Using solid-state devices (EPO)
- 2 **362/251** (0 OR, 2 XR)
 - Class 362 ILLUMINATION
 - 362/227 .PLURAL LIGHT SOURCES

362/249 ..With support
362/251 ...With switch

2 **362/296** (1 OR, 1 XR)

Class 362 ILLUMINATION

362/257 .LIGHT SOURCE (OR SUPPORT THEREFOR) AND MODIFIER

362/296 ..Including reflector

about 16
above 7
absence 1
abstract 1
accompanying 1
accordance 16
according 45
accordingly 1
accuracy 1
accurate 1
accurately 1
achieve 6
achieved 2
acknowledged 1
across 11
actually 1
add 1
addition 2
additional 7
additionally 4
additive 5
additively 1
adequate 1
adhesive 1
adificial 1

adjacent 1
adjusted 1
administered 2
administrator 1
advantages 4
affect 1
affected 1
again 1
age 1
aia 11
ali 2
all 18
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